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PATENT & TRADEMARK

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4-22-2004
Date

Anna M. Matthews
Anna M. Matthews

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.	:	10/685,635	Confirmation No.: 5005
Applicant	:	Timothy R. Friend, et al.	
Filed	:	October 15, 2004	
TC/A.U.	:	2862	
Examiner	:		
Docket No.	:	GEN10 P411A	
Customer No.	:	028,469	

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.97(b)

Dear Sir:

Pursuant to 37 CFR §§1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents listed on the attached Forms 1449A/PTO and 1449B/PTO. This Information Disclosure Statement is being filed more than three months after the filing date of the above referenced application but, to the undersigned's knowledge, before the mailing date of a first Office Action on the merits for the above referenced application.

A copy of each of the listed foreign patent documents and non-patent literature are attached. As the Office has waived the requirement under 37 CFR §1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication, a copy of each of the listed U.S. patents and each U.S. patent application publication document are not included with the submission of attached Form 1449A/PTO. Applicants respectfully request that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 16-2463.

Respectfully submitted by,

Timothy R. Friend, et al.

Price, Heneveld, Cooper,
DeWitt & Litton LLP

4-22-2004
Date

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TSC/amm

OIPE JC156
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 5

Complete if Known	
Application Number	10/685,635
Filing Date	10/15/2003
First Named Inventor	Timothy R. Friend
Art Unit	2862
Examiner Name	
Attorney Docket Number	GEN10 P411A

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 1,047,157	12/1912	Bliss	
		US- 1,472,342	10/1923	Pickard	
		US- 1,774,458	8/1930	Tear	
		US- 1,863,415	6/1932	Rieber	
		US- 1,886,336	11/1932	Gunn	
		US- 1,968,542	7/1934	Tear	
		US- 1,996,906	4/1935	Lanty	
		US- 2,047,609	7/1936	Antranikian	
		US- 2,204,292	6/1940	Barth	
		US- 2,241,499	5/1941	Barth	
		US- 2,252,059	8/1941	Barth	
		US- 2,261,309	11/1941	Stuart, Jr.	
		US- 2,357,319	9/1944	Esval et al.	
		US- 2,373,096	4/1945	Bonell	
		US- 2,383,461	8/1945	Esval et al.	
		US- 2,387,496	10/1945	Cornelius	
		US- 2,393, 670	1/1946	White	
		US- 2,407,536	9/1946	Chapman	

FOREIGN PATENT DOCUMENTS

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		EP 0045509	12/1985			

Examiner Signature		Date Considered	

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Sheet 2 of 5

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		US- 2,432,514	12/1947	Depp et al.	
		US- 2,459,830	1/1949	McCarthy	
		US- 2,464,057	3/1949	Phair	
		US- 2,466,687	4/1949	Craddock et al.	
		US- 2,480,265	8/1949	Rubenstein	
		US- 2,528,703	11/1950	Muffly	
		US- 2,591,406	4/1952	Carter et al.	
		US- 2,597,125	5/1952	Noxon	
		US- 2,597,135	5/1952	Stuart, Jr.	
		US- 2,671,275	3/1954	Burns, Jr.	
		US- 2,837,644	6/1958	Shallon	
		US- 2,854,580	9/1958	Uchrin et al.	
		US- 2,912,653	11/1959	Tillman	
		US- 2,943,306	6/1960	Gray et al.	
		US- 2,963,658	12/1960	Rochelle	
		US- 2,991,414	7/1961	Tillman	
		US- 3,040,247	6/1962	Van Allen	
		US- 3,135,199	6/1964	Brown	

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Sheet 3 of 5

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		US- 3,179,786	4/1965	Greene	
		US- 3,197,880	8/1965	Rice et al.	
		US- 3,210,689	10/1965	Burwen	
		US- 3,239,754	3/1966	Odom, Jr. et al.	
		US- 3,242,269	3/1966	Pettengill	
		US- 3,271,665	9/1966	Castro et al.	
		US- 3,281,670	10/1966	Myers et al.	
		US- 3,346,807	10/1967	Wood et al.	
		US- 3,356,963	12/1967	Buck	
		US- 3,400,328	9/1968	Penn et al.	
		US- 3,416,072	12/1968	Fussell et al.	
		US- 3,443,213	5/1969	Bader et al.	
		US- 3,461,382	8/1969	Anderson	
		US- 3,568,052	3/1971	Anderson	
		US- 3,584,388	6/1971	Petrov et al.	
		US- 3,732,443	5/1973	Lovrenich	
		US- 3,768,011	10/1973	Swain	
		US- 3,812,428	5/1974	Trenkler	

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Sheet 4 of 5

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		US- 3,829,894	8/1974	Watanabe et al.	
		US- 3,936,949	2/1976	Devaud	
		US- 3,973,191	8/1976	Zabler	
		US- 4,007,417	2/1977	Takeuchi et al.	
		US- 4,053,849	10/1977	Bower et al.	
		US- 4,182,987	1/1980	Moeller	
		US- 4,241,317	12/1980	Breitling	
		US- 4,290,018	9/1981	Rhodes	
		US- 4,305,034	12/1981	Long et al.	
		US- 4,314,200	2/1982	Marek	
		US- 4,403,515	9/1983	Iwasaki	
		US- 4,675,615	6/1987	Bramanti	
		US- 4,728,888	3/1988	Bauer et al.	
		US- 4,733,181	3/1988	Bauer	
		US- 4,851,775	7/1989	Kim et al.	
		US- 4,918,824	4/1990	Farrar	
		US- 5,039,945	8/1991	Webb	
		US- 5,239,264	8/1993	Hawks	

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Sheet 5 of 5

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		US- 5,560,115	10/1996	Fowler	
		US- 5,608,320	3/1997	Dinsmore et al.	
		US- 6,084,406	7/2000	James et al.	
		US- 6,512,370	1/2003	James	
		US- 6,513,252	2/2000	Schierbeek et al.	
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Sheet 1 of 1

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First Named Inventor	Timothy R. Friend
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Attorney Docket Number	GEN10 P411A

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
		S. TAKEUCHI ET AL., "A Resonant-Type Amorphous Ribbon Magnetometer Driven by an Operational Amplifier," IEEE Transactions on Magnetics, vol. MAG-20, No. 5, Sep. 1984.	
		K. SHIRAE, "Noise in Amorphous Magnetic Materials," IEEE Transactions on Magnetics, vol. MAG-20, No. 5, Sep. 1984.	
		K. MOHRI, "Review on Recent Advances in the Field of Amorphous," IEEE Transactions on Magnetics, vol. MAG-20, No. 5, Sep. 1984	
		B.B. NAROD ET AL., "An Evaluation of the Noise Performance of Fe, Co, Si, and B Amorphous Alloys in Ring-core Fluxgate Magnetometers," Can. J. Phys., 1985	

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